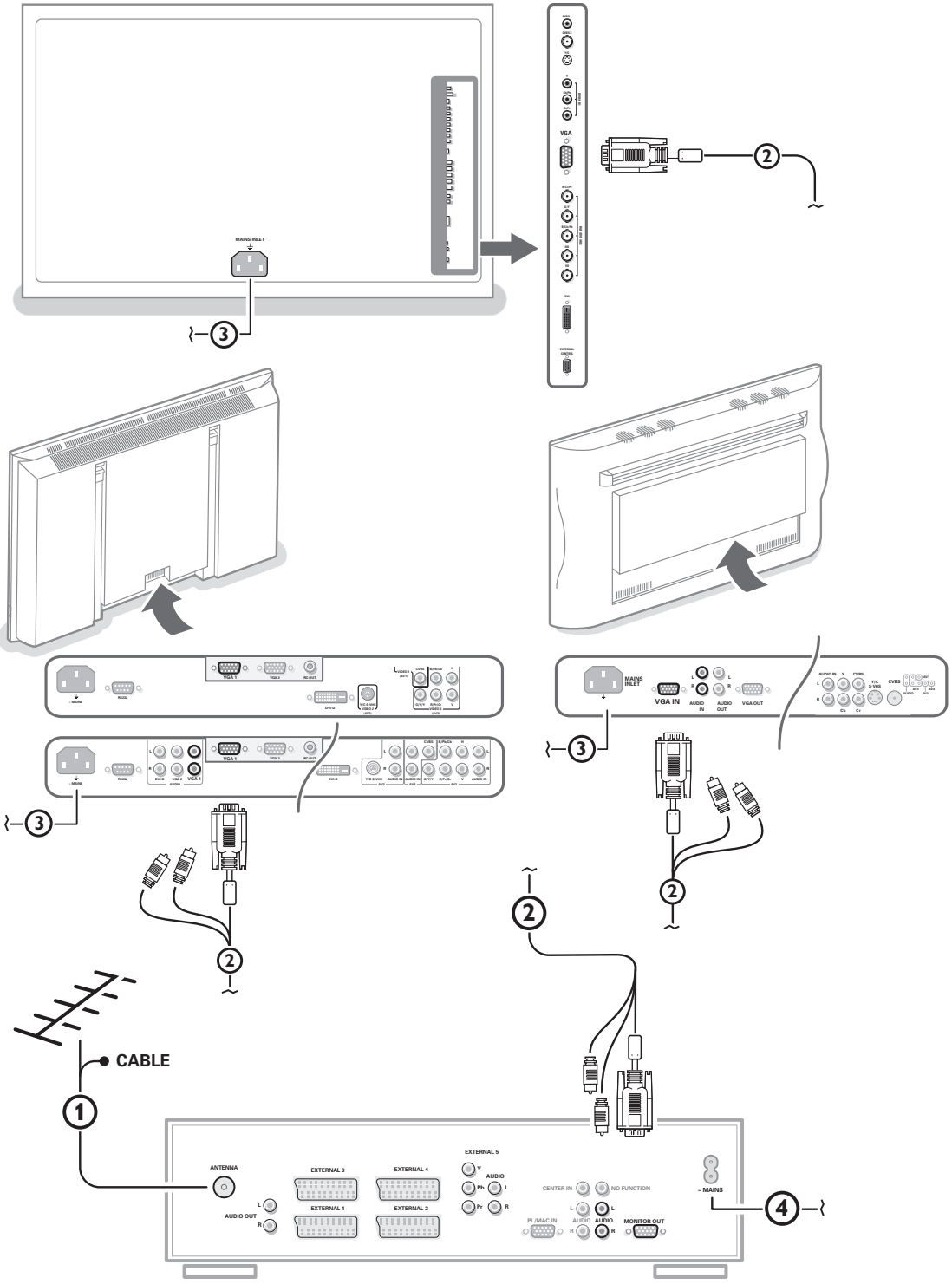
Flat TV

Let's make things better.

PHILIPS


MAINS INLET
VGA
VGA IN
AUDIO IN
AUDIO OUT
VGA OUT
CABLE
ANTENNA
AUDIO OUT
EXTERNAL 1
EXTERNAL 2
EXTERNAL 3
EXTERNAL 4
EXTERNAL 5
CENTER IN
NO FUNCTION
PL/MAC IN
MONITOR OUT
~ MAINS
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Help?

If this instruction manual does not give an answer or if 'Tips' do not solve your TV problem, you can call your Local Philips Customer or Service Centre. See the supplied World-wide guarantee booklet.
Please, have the Model and Product number which you can find at the back of your television set or on the packaging, ready, before calling the Philips helpline.

Model: FTR 9965/12
Product No: AG .....

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End of life directives

Philips is paying a lot of attention to producing environmentally-friendly in green focal areas. Your new TV contains materials which can be recycled and reused. At the end of its life specialised companies can dismantle the discarded TV to concentrate the reusable materials and to minimise the amount of materials to be disposed of.
Please ensure you dispose of your old TV according to local regulations.

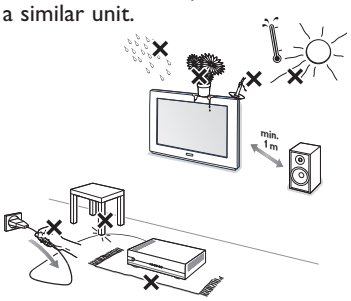
easy LINK

EasyLink features are based on the "one touch operation" approach. This means that a sequence of actions are executed at the same time in both the television and the video cassette recorder, provided both are fitted with the EasyLink function and connected with the eurocable supplied with your video recorder.

English
Deutsch
Français
Nederlands
Italiano
Ελληνικά

Preparation

❶ Place the receiver box wherever you want, but make sure that air can circulate freely through the ventilation slots. Do not install the receiver box in a confined space such as a book case or a similar unit.



To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed on or in the vicinity. Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on it.

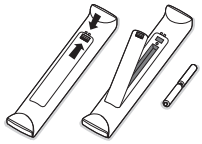
❷ Connect the supplied aerial cable ① and the VGA cable with trailing audio cinch connectors ② as shown in the inside frontcover of this handbook. Make sure all screws of the cable ② are tightened well.

TV receiver box with speakerless monitor:
In case you connect your TV receiver box with a speakerless monitor, and without having connected an audio receiver, all references made in this instruction book to sound reproduction, volume control, and audio connections, are not applicable (except for a headphone connection).
The keys on the remote control referring to sound have no function either.

❸ To connect your computer, see the separate supplied instruction manual with your monitor. To connect other peripherals, see p. 19.
If you dispose of a Cinema Link combination (Cinema Link Audio receiver and/or Cinema Link video recorder and/or DVD player), see the separate supplied instruction manual.
In order to obtain the best result, please use only the supplied antenna cables between the receiver box and videorecorder, and between videorecorder and antenna connector.

❹ Insert the mains cord supplied ③ into the mains at the back of the monitor and the mains cord ④ at the back of the receiver. Put both in the wall sockets.

❺ **Remote control**: Insert the 2 batteries supplied (Type R6-1,5V).



The batteries supplied do not contain the heavy metals mercury and cadmium. Please check on how to dispose of exhausted batteries according to local regulations.

❻ **Switch the TV on** : Press the power switch ⏻ at the right side of the monitor and the one on the front of your receiver box. An indicator on the front of the TV lights up and the screen comes on. If the TV is in standby mode, press the **-P+** keys or the red ⏻ key on the remote control.

Use of the remote control RC4301

*Note: For most keys pressing a key once will activate the function. Pressing a second time will de-activate it. When a key enables multiple options, a small list will be shown. Press repeatedly to select the next item in the list. The list will be removed automatically after 4 seconds or press **OK** to remove immediately.*

Remark: in VGA mode only some keys are valid. See VGA menu, p. 21.

VCR DVD SAT AMP CD
See 'Audio- and Video equipment keys', p. 22.

Select your computer or other peripherals
See p. 21.

● ◀◀ ■ ▶ ▶▶
Audio and Video equipment keys, see p. 22.

● Instant record
See Record with your recorder with EasyLink, p. 22.

Time display
The time is displayed on the screen.

Surround mode
Press this key repeatedly to select on/off.

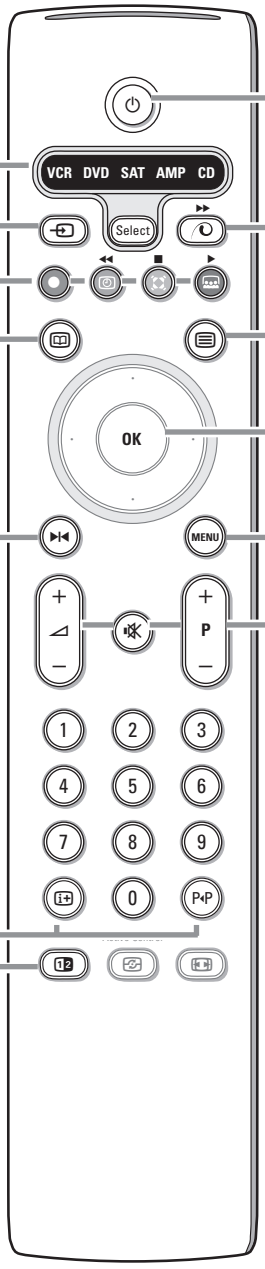
Cinema Go
See separate Cinema Link booklet supplied.

NEXTVIEW On/Off see p. 15
Press 1 2 to show NEXTVIEW/ Teletext Guide on the right half of the screen.

Freeze/Replay/Photo finish
See p. 8.

On Screen information
Press to display information about the selected TV channel and programme.

P◂P Smart surf / NEXTVIEW themes
With this key you can easily switch between 2 up to 9 different TV channels or sources or quickly select TV programmes if NEXTVIEW with defined themes is broadcast. See General, Smart surf, p. 8.
Press the **OK** key or wait for the time out to dismiss the Smart surf display.



Standby
Press to switch the TV on or off. When switched off, a red indicator on the TV lights up. When acquiring NEXTVIEW, see p. 16, an orange indicator lights up and after a period of max. 1 hour the TV is switched to full standby and the red indicator lights up.

Pixel Plus demo on/off
In the right part Pixel Plus and Digital Natural Motion are switched on.

Teletext On/Off see p. 17
Press the 1 2 key to show teletext on the right half of the screen.

OK Press this key
- to activate your choice, when in the menus.
- to display the programme list.

MENU Main menu on/off see p. 5

To adjust the volume.

Interrupt the sound or restore it.

P Programme selection
To browse through the TV channels and sources stored in the favourite list.

0/9 Digit keys
To select a TV channel.
For a two digit programme number, enter the second digit before the dash disappears. To switch immediately to a selected one digit TV channel, keep the digit key pressed a bit longer.

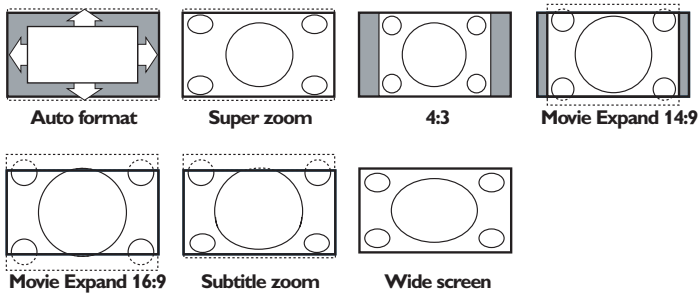
Dual screen / PIP / Multipip

See p. 8 and p. 14.

Active control see p. 11.

Picture format

Press this key repeatedly or press the cursor up/down to select another picture format: Auto format, Super zoom, 4:3, Movie Expand 14:9, Movie Expand 16:9, Subtitle zoom or Wide screen.



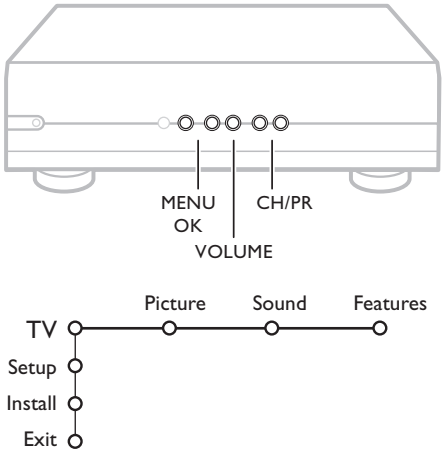
Auto format makes the picture fill the screen as much as possible.
In case of subtitles in the bottom black bar, Auto format makes the subtitles visible.
In case of a broadcaster logo in the corner of the top black bar, the logo disappears from the screen.

Super zoom removes the black bars on the sides of 4:3 programs with minimal distortion.

When in Movie Expand 14:9, 16:9, Super zoom or Subtitle zoom picture format, you can make subtitles visible with the cursor up/down.

Note: in VGA mode press the *key to switch between a 4:3 or a Wide screen picture format.*

Keys in front of the TV receiver box



Should your remote be lost or broken you can still change some of the basic settings with the keys in front of the TV receiver box.

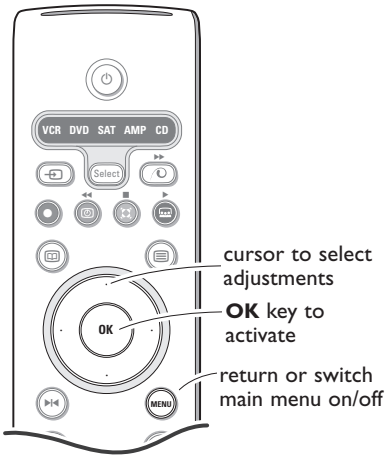
Press:
- the **VOLUME-** or + key to adjust the volume;
- the **-CH/PR+** keys to select the TV channels or sources.

The **MENU** key can be used to summon the main menu without the remote control.

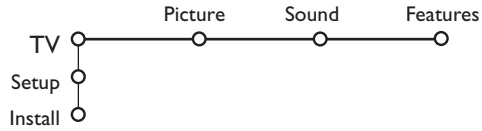
Use:
- the ◿ - and + keys and the **CH/PR-** and **CH/PR+** keys to select menu items in the directions as shown;
- the **MENU** key to confirm your selection.

Note:
When activated via the ***MENU*** *key in front of the TV receiver box, only* ***Exit*** *lets you dismiss the menu. Navigate to* ***Exit*** *and press the* ***MENU*** *key.*

To use the menus



1. Press the **MENU** key on the remote control to summon the main menu. At any moment you can exit the menu by pressing the **MENU** key again.
   Note: If you have connected equipment with Cinema Link, more menu items are present.

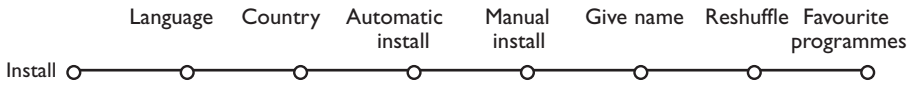


2. Use the cursor in the up/down direction to select the **TV**, **Setup** or **Install** menu.
   Use the cursor left/right to select **Picture**, **Sound** or **Features**.
   Note: Sometimes not all the menu items are visible on the screen (indicated by a cluster of blue balls). Use the cursor down or right to reveal all items.
3. Use the cursor in the left/right direction to select the menu item.
4. Use the cursor up/down again to select the control you want to select or to adjust.

Note: Items temporary not available or not relevant are displayed in a light grey colour and cannot be selected.

Installation

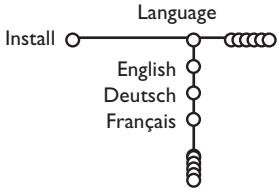
The installation menu contains the following items:

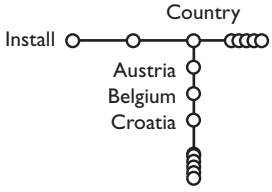


EasyLink

If your video recorder has an EasyLink function, during installation, the language, country and available channels are automatically transmitted to the video recorder.

Select the menu language and country



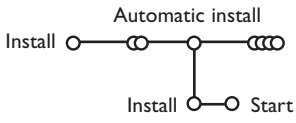


1. Press the **MENU** key on the remote control.
2. Use the cursor down to select **Install**.
3. Use the cursor right to select **Language**.
   Follow the instructions on screen.
4. Use the cursor up/down to select your preferred language and press the **OK** key to confirm your selection.
5. Use the cursor right to select **Country**.
6. Select the country where you are now located and press the **OK** key.
   Select **Other** when none of the countries applies.
7. Proceed with the **Install** menu.

Store TV channels

After language and country are set correctly, you can now search for and store the TV channels in two different ways: using Automatic Installation or Manual Installation (tuning-in channel by channel).
Select your choice with the cursor right.

Automatic installation

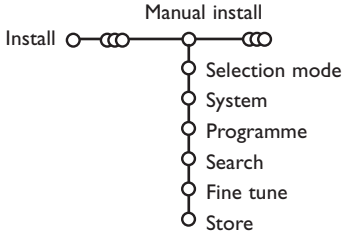


1. Select **Automatic install** in the Install menu.
   Note: All channels must be unlocked in order to autoprogram. If requested, enter your code to unlock all channels. (See TV, Features menu, Childlock, p. 13.)
2. Press the cursor down.
   The autoprogramming option label **Start** appears.
3. Press the cursor right.
4. The message **Searching** appears and the progress of autoprogramming is displayed.

If a cable system or a TV channel which broadcasts ACI (Automatic Channel Installation) is detected, a programme list appears. Without ACI broadcast, the channels are numbered according your language and country selection. You can use Reshuffle to renumber them. See p. 7.

It is possible that the cable company or the TV channel displays a broadcast selection menu. Layout and items are defined by the cable company or the TV channel. Make your choice with the cursor and press the **OK** *key.*

Manual installation



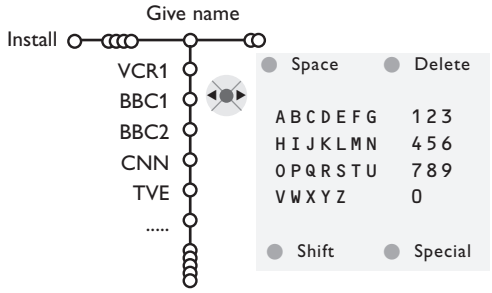
Searching for and storing TV channels is done channel by channel. You must go through every step of the Manual Installation menu.

1. Select **Manual install** in the Install menu.
2. Press the cursor down.
   Follow the instructions on screen.

   Note: Search or direct selection of a TV channel.
   If you know the frequency, the C- or S-channel number, enter the 3 or 2 digits of the frequency or the channel number directly with the digit keys 0 to 9 (e.g. 048). Press the cursor down to proceed.

   Repeat to search for another TV channel.

Give name



It is possible to change the name stored in the memory or to assign a name to a TV channel or external for which a name has not yet been entered. A name with up to 5 letters or numbers can be given to the programme numbers 0 to 99.

Note : It is not possible to rename the VGA source.

1. Select **Give Name** in the Install menu and press the cursor down.
2. Select the programme number.
   Note: keep the cursor up/down pressed to scroll through the programme list quickly.
3. Press the cursor right.
   A keyboard appears on the screen.
   Press the cursor right to enter the keyboard.
   Press the cursor up/down, left/right to select the first character and press **OK**. Repeat for every character you want to enter.
   Select **Space** to enter a space; **Delete** to erase the highlighted character in the name entered; **Shift** to display upper- or lowercase characters on the keyboard; **Special** to display special characters on the keyboard. Press **OK** to confirm.
4. Press the cursor left repeatedly when you have finished the name giving.
5. Select another programme number and repeat steps 3 to 4.

Reshuffle the programme list

You can change the order of the stored TV channels.

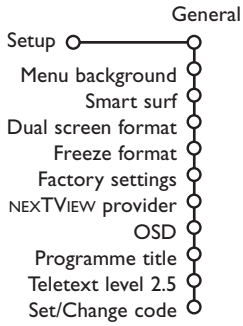
1. Select **Reshuffle** in the Installation menu.
2. Follow the instructions on screen.

Select Favourite TV channels

A VGA source always belongs to the list of **Favourite programmes**.

1. Select **Favourite programmes** in the Install menu.
2. Select your programme number with the cursor up/down.
3. Select **Yes** or **No** with the cursor right.
4. Repeat 2 and 3 for every TV channel or external you want to make a favourite or a non-favourite TV channel or external.

TV Setup



The Setup menu contains items that control the settings of the TV's functions, features, services and peripherals you may have connected.

The **General** menu allows you to change settings that will typically be accessed only occasionally.
The **Source** menu allows you to select a source.
The **Decoder** menu allows you to define one or more programme numbers as decoder programme numbers.

General

This menu allows you to change various settings that are presumably adjusted less frequently than most other settings.

Menu background

Select **Yes** or **No** to turn the menu background on or off.

Smart surf

1. Select **Smart surf**.
2. With the cursor right, select
   - **2 programmes** if you want the P◂P key to toggle between the current and the previously selected channel,
   - **9 programmes** if you want the P◂P key to summon a list of up to 9 channels which can be selected,
   - **Themes** if you want the P◂P key to quickly select TV programmes if NEXTVIEW with defined themes is broadcast.

To add/remove a channel or source:

Tune to the channel or source you wish to add or remove. Press the P◂P key and press the cursor right to add or remove.
Note: If there are already 9 channels/sources in the list, the one at the bottom of the list will be removed.

Dual screen format

(not available for HD sources)
This menu allows you to select the preferred format which can then be displayed toggling the 1 2 key on and off.
See Dual screen/PIP/ Multipip, p. 14.

Select **Dual screen**, **PIP**, **Large PIP**, **Medium PIP** or **Small PIP**, **PIP 3**, **PIP 8** or **PIP 12** with the cursor up/down.

When Dual screen mode is activated with the remote control 1 2 key, and when:

- **Dual screen** is selected, the TV splits the screen into two equally sized screens.
- **Large PIP**, **Medium PIP** or **Small PIP** is selected, the TV shows a full screen of video with a small, medium or large window of video on top of it;
- **PIP3**, **PIP8** or **PIP12** is selected, the TV will display 3, 8 or 12 PIP screens.
  Note : Continuing to hold the 1 2 key down will also cycle the TV through the Dual screen and the various PIP sizes.

Freeze format

This function is not possible with a VGA source. Freeze format allows you to select among three options: **Freeze**, **Replay** or **Photo finish**, to be activated when you press the ▶I◀ key on the remote control. See p. 3.
Note: Continuing to hold the ▶I◀ key down will also cycle the TV through the various formats. Changing the format this way does not store the selected format.

Factory settings

This resets the picture and sound settings to their predefined factory values, but maintains the channel installation settings.

NEXTVIEW provider

Select a TV broadcaster that provides NEXTVIEW data. How to make use of NEXTVIEW, see p. 15.

OSD (On Screen Display)

1. Select **OSD**.
2. Select **Normal** to activate extended channel and programme information. **Minimum** will display reduced channel information.
   Note: When subtitles is switched on, see Features, p.13, display of the programme number is not possible

Programme title

Select **Programme title Yes** or **No**.
When selected **Yes**, after the selection of a TV programme or after pressing the i+ key on the remote control, a TV channel which broadcasts teletext may transmit the name of the TV channel or the programme title.
When selected **No**, the programme title will only appear after pressing the i+ key, and not after the selection of a TV channel.

Teletext level 2.5

Some broadcasters offer the opportunity to see more colours, other background colours and nicer pictures in the teletext pages.

1. Select **Teletext level 2.5**.
2. Press the cursor right to select **Teletext level 2.5 On** to take advantage of this feature.
3. Press the cursor right again to select **Teletext level 2.5 Off** if you like the more neutral teletext layout.
   The selection made is valid for all channels which broadcast teletext level 2.5.

   Note: It may take a few seconds before teletext broadcast switches over to Teletext level 2.5.

Set/Change code

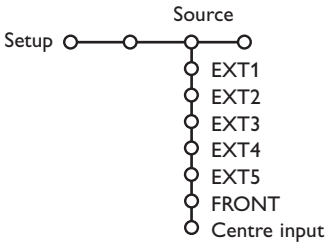
The Child lock feature (see TV, Features, p. 13) allows you to lock channels to prevent others from watching certain programmes. To watch locked channels, a 4-digit code must be entered. The Set/Change code menu item allows you to create or change a Personal Identification Number (PIN).

1. Select **Set/Change code**.
2. If no code exists yet, the menu item is set to **Set code**.
   If a code has previously been entered, the menu item is set to **Change code**. Follow the instructions on screen.

Important: You have forgotten your code !

1. Select **Change code** in the General menu and press **OK**.
2. Press the cursor right and enter the overriding code 8-8-8-8.
3. Press the cursor again and enter a new personal 4-digit code. The previous code is erased and the new code is stored.

Source



This menu allows you to indicate the peripheral you connected to one of the external inputs.

1. Press the cursor right to enter the list of types of peripherals attached to the selected input.
2. Select the peripheral device with the cursor up/down.

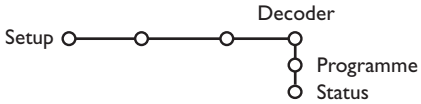
Once you have selected the source type, e.g. DVD, this source will automatically be selected when your remote control is in DVD mode, see p. 3, and when you press the ⊕ key on the remote control.

Centre input

(not available in combination with a speakerless monitor)

When you have connected a surround receiver to the TV, see p. 20, the loudspeakers of the TV can act as centre speaker, making a separate centre speaker unnecessary.
Select **Centre input On** or **CinemaLink** (in case you have connected a CinemaLink surround receiver).

Decoder



If a decoder or a descrambler is connected, see p. 19, you can define one or more programme numbers as decoder programme numbers.

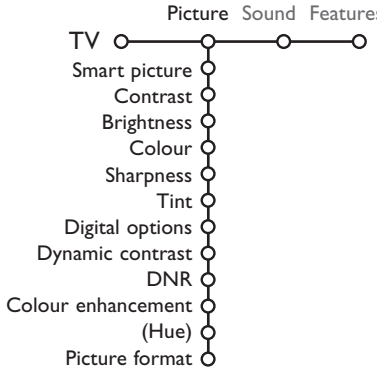
1. Select **Decoder** with the cursor right.
2. Select **Programme**.
3. Select the programme number under which you have stored the programme coming from your decoder.
4. Select **Status**.
   - Select the input used to connect your decoder: **None**, **EXT1** or **EXT2**.
   - Select **None** if you do not want the selected programme number being activated as a decoder programme number.

*Note: Select **EXT2** when the decoder is connected to your EasyLink video recorder.*

TV menu

Press the **MENU** key on the remote control to summon the main menu.

Picture menu



1. Press the cursor right to select **Picture**.
2. Select the menu items in the Picture menu with the cursor up/down.
3. Adjust the settings with the cursor left/right or enter the list of submenu items with the cursor right. Select a submenu item with the cursor up/down.

Note: To remove the menu background before adjusting the picture settings, see Select TV setup, General, p. 8.

Smart picture

Select **Smart picture** to display a list of predefined picture settings, each corresponding with specific factory settings. **Personal** refers to the personal preference settings of picture in the picture menu.
Note: Disabled when a VGA source is being displayed.

Contrast

This will adjust the intensity of bright parts of the picture but keep the dark parts unchanged.

Brightness

This will adjust the light output of the complete picture, which will mainly affect the darker areas of the picture.

Colour

This will adjust the saturation level of the colours to suit your personal preference.

Sharpness

This will adjust the sharpness of fine details in the picture.

Tint

This will adjust the general colour balance of the picture between cool and warm.

Digital options

Pixel Plus is the most ideal setting. You may consider to select Movie Plus in case a halo effect should disturb you. Dependent on your own preference, select Progressive scan.

Dynamic contrast

Sets the level at which the TV automatically enhances the details in dark, middle and light areas of the picture.

DNR

This sets the level at which noise is measured and reduced in the picture.

Colour enhancement

This makes the colours more vivid and improves the resolution of details in bright colours.

Hue

This compensates for the colour variations in NTSC encoded transmissions.

Picture format

This will adjust the size of the picture dependent on the broadcast format and your preferred setting.

Active Control

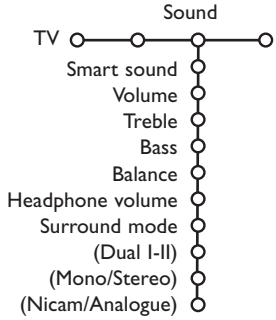
The TV continuously measures and corrects all incoming signals in order to provide the best picture possible.

1. Press the key on the remote control.
2. The Active Control menu appears.
3. Press the cursor up/down to select the Active Control values **Off**, **Minimum**, **Medium** (recommended) or **Maximum**.
   The picture settings are being optimised continuously and automatically which is displayed by bars. The menu items can not be selected.

   Note: When having connected a monitor without a light sensor, the values are On and Off.

4. Press the cursor right to select **Smart Picture**.
5. Press the cursor up/down to select one of the predefined picture settings.
6. Press the cursor right to select **Active Display**.
7. Press the cursor up/down to select **Show bars**, one of the Dual screen demos or **Off**.
   When you select Dynamic contrast, Pixel Plus, Digital Noise Reduction or Digital Natural Motion, the TV screen is divided into two parts: in the left part the selected picture quality setting is switched off; in the right part it is switched on.
8. Press the key again to switch off the Active Control menu.

Sound menu



1. Select the menu items in the Sound menu with the cursor up/down.
2. Adjust the settings with the cursor left/right.
   Remember, control settings are at normal mid-range levels when the bar scale is centered.
   Note:
   - *In case of a Cinema Link configuration and the Cinema Link is activated, the menu function Surround mode is steered by the audio receiver instead of by the receiver box. See the separate Cinema Link booklet supplied.*
   - *Dual* **I-II** *is only available with dual sound transmission.*
   - *Mono/Stereo is only selectable in case of analogue stereo transmission.*
   - *Nicam/Analogue is only selectable in case of Nicam transmission.*

Smart sound

Select **Smart sound** to display a list of predefined sound settings, each corresponding with specific factory settings of Treble and Bass. **Personal** refers to the personal preference settings of sound in the sound menu.
Note: Disabled when a VGA source is being displayed.

Volume

This will adjust the sound output level.

Treble

This will adjust the level of high frequency content in the sound.

Bass

This will adjust the level of low frequency content in the sound.

Balance

This will adjust the output of the right and left speakers to obtain the best stereo reproduction for your listening position.

Headphone volume

This controls the level of sound through the headphones.

Surround mode

This selects the modes for more spatial or surround sound reproduction.

(Dual I-II)

This will select, per channel, Language I or Language II, when dual sound transmission is available.

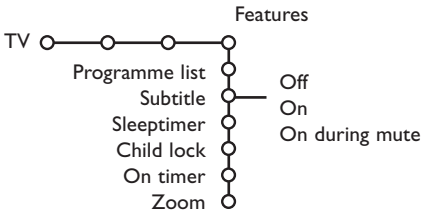
(Mono/Stereo)

This selects, per TV channel, mono or stereo sound when analogue stereo broadcasts are available.

(Nicam/Analogue)

This selects, per TV channel, Digital-Nicam or Analogue sound when digital sound broadcasts are available.

Features menu



1. Press the cursor right to select **Features**.
2. Select the menu items with the cursor up/down and adjust the settings with the cursor left/right.

Programme list

Press the **OK** key to switch over to the selected TV channel or external.

Select subtitles

The subtitle page must be stored for each TV channel:
Switch on teletext and select the proper subtitle page from the index. Switch off teletext.
Subtitle On will automatically display them on the selected TV channels if subtitles are in the transmission. A symbol will indicate that the mode is on.
Select **On during mute** when you want to have the subtitles automatically displayed only when the sound has been muted with the key on the remote control.

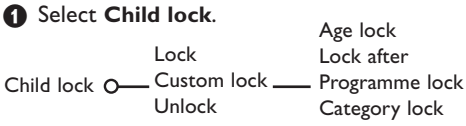
Sleeptimer

With the sleeptimer you can set a time period after which the TV automatically switches to standby. The counter runs from 0 min. up to 180 min. You can always switch off your TV earlier or change the set time.
Note: When a VGA source is selected, the TV will not go to standby when the sleeptimer expires.

Child lock

The child lock feature allows you to lock TV channels and externals to prevent children from watching certain programmes.
A VGA source can not be locked.

1. Select **Child lock**.



2. Press the cursor right to enter the Child lock menu. You're summoned to enter your code.
Note: You have to re-enter your code each time you enter the child lock menu.

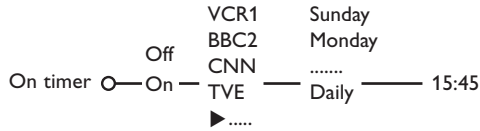
Important: You have forgotten your code ! See p. 9.

3. Select one of the menu items of the child lock menu:
   - **Lock** if you want to lock all channels and externals.
   - **Custom lock** and press the cursor right. The items Age lock and Category lock are only available when NEXTVIEW broadcast is available. Select:
     - **Age lock** if you want to lock programmes related to a certain age: off, 2, 4 ... 18;
     - **Lock after** if you want to lock all programmes from a certain time onwards. Press the cursor right and enter the time with the cursor up/down and right. Press the **OK** key to validate.
     - **Programme lock** if you want to lock a certain TV channel or external;
     - **Category lock** if you want to lock programmes related to a certain theme: Movies, Sports, Shows.... See NEXTVIEW, p. 15.
   - Select **Unlock** to disable all locks you have set.

On timer

With the On timer function you can make your TV automatically switch to a specific programme number from standby or switch over to a different programme number at a specific time.
Note: Your TV receiver box and your monitor should not be powered off with the power key.

1. Select **On timer** with the cursor down.

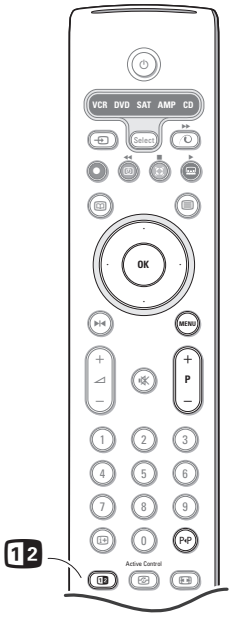


2. Select **On** with the cursor right.
3. Press the cursor right again to enter the programme list.
4. Select the TV channel or external you want your TV to switch to on a selected time and day.
5. Press the cursor right again to select a day of the week or to select **Daily**.
6. Press the cursor right once again to enter the time with the digit keys or with the cursor up/down and press the **OK** key to activate.
7. Press the **MENU** key to turn off the menu.
Note: To check your timer settings, press the i+ key.

Zoom

1. Select **Zoom** with the cursor down and press the **OK** key.
2. Press the **OK** key to select one of the zoom magnifications (x1, x4, x9, x16).
3. Additionally you can shift the selected zoom window over the screen with the cursor keys up/down, left/right.
4. Press the **MENU** key to switch off the zoom function.

Dual screen / PIP / Multipip

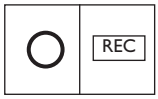


Press the 1 2 key to switch on Dual screen or one of the PIP modes according to the format selection mode in the Dual screen format list in the General menu. See Setup, General, p. 8.
Press the 1 2 key again. The screen that has a yellow border will become the full main screen picture.

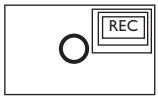
Notes:
- *Continuing to hold the 1 2 key down will cycle the TV through the various formats (Dual screen, Large PIP, Medium PIP, Small PIP, PIP 3, PIP 8 or PIP 12) launching a new format after each second the key is held down. After standby of the TV, the preference as set in the Setup, General menu is used.*
- *It is not possible to display a VGA or HD source in a Dual screen/PIP screen.*
- *When Dual screen mode is selected, two picture formats are supported: Full screen or 4:3 letterbox picture format (vertical squeeze).*
- *Audio from the right screen or the PIP plays to the headphones.*

Display options

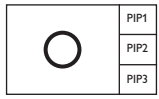
Dual screen



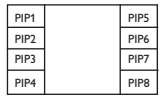
PIP



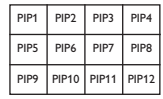
PIP 3



PIP 8



PIP 12



- Press the cursor right to highlight the right screen.
- Press the cursor down to highlight the single (large, medium or small) PIP screen.
- Press the cursor right to enter the Multipip screen and then use the cursor keys to navigate through the PIP screens and to highlight a PIP screen.

Changing TV channels or external sources in left, right, PIP or Multipip screen

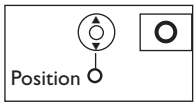
Press the **-P+** key or the P<P key or the digit keys in order to change the TV channels or external sources in the highlighted screen.

Scan PIP 3, PIP 8 or PIP 12

Navigate to the lowest PIP to display and press the cursor down to display a following series of PIP screens.

Define the position of the single PIP screen

1. Select a Dual screen mode with a single PIP screen.



2. Press the cursor down to highlight the PIP screen. A PIP menu appears with which you can define the position of the PIP screen.
*Note: When the PIP menu is timed out, press the **OK** key to make it reappear.*
3. Press the cursor down again to select **Position**.
4. Press the **OK** key or the cursor right to activate.
5. Use the cursor keys to define the position of the PIP screen.
6. Press the **OK** key. The PIP menu reappears.
7. Press the cursor up twice to highlight the main screen again and press the **OK** key to switch off the menu.

On-Screen information

The highlighted On-Screen information, which appears when changing channels, always refers to the active screen.

NEXTVIEW / Teletext guide

NEXTVIEW is an electronic guide that allows you to look up programmes as you would in a newspaper or a TV magazine. You can sort the programmes by subject (films, sport...), obtain detailed information and programme your video recorder if it comes with the NEXTVIEWLink function.

Important note: ***The NEXTVIEW service is only available on certain programmes and in certain countries****. When no NEXTVIEW information is broadcast, the teletext programme guide appears in its place. This is based on teletext programme information (if available) and offers most functions of NEXTVIEW.*
Note: The broadcaster is responsible for the content of the information.

Call NEXTVIEW / Teletext guide

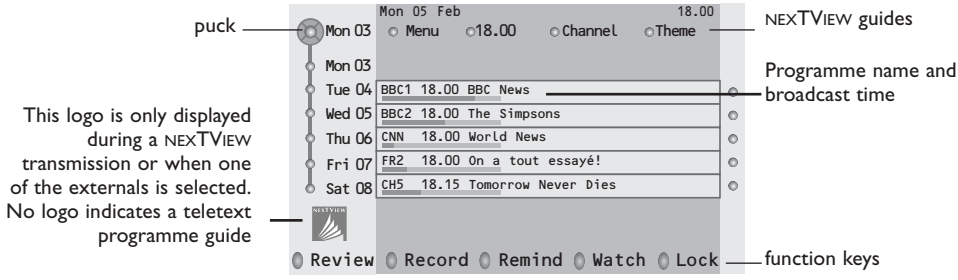
Press the 📖 key on the remote control to call the nexTView/Teletext guide. A menu appears with the message **One moment please**. After a while you obtain:
- a NEXTVIEW page, if the selected channel broadcasts this service (the NEXTVIEW logo is displayed),
- a teletext page, if the selected channel does not broadcast NEXTVIEW,
- **No information available** is displayed if neither NEXTVIEW nor teletext are transmitted. In this case, select another channel.

Select TV channels by theme

If NEXTVIEW with defined themes is broadcast, it is possible to quickly select TV programmes with the P↤P key. See Setup menu, General, Smart surf, p. 8.

Display of a NEXTVIEW page

The information is set by the channel that transmits the nexTView service. See also Setup menu, General, NEXTVIEW provider, p. 8.



Picture/NEXTVIEW - Teletext Guide

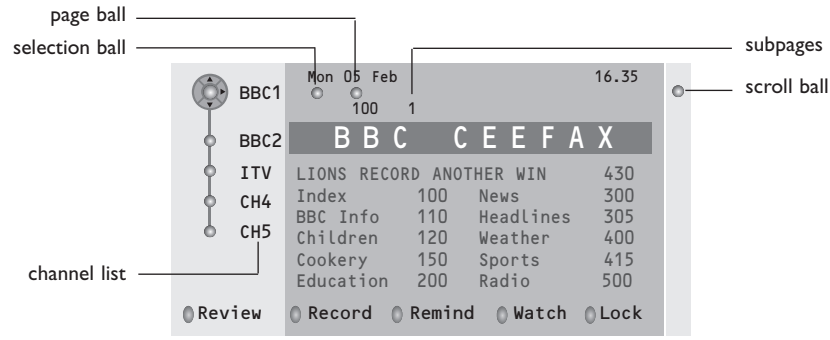
1. Press the 📖 key. Press the 1 2 key to show NEXTVIEW-Teletext Guide on the right of the screen.
2. Use the cursor keys to select a TV channel or to move the puck to the blue ball in the left screen.
3. Press the 1 2 key to switch off dual screen.

NEXTVIEW guides

1. Use the cursor key left/right to select **Time**, **Channel**, **Theme**, the **Date** guide.
   The **Time guide** provides an overview of all programme titles active in the selected time block. The **Channel guide** provides an overview of all programmes that are broadcast by a single channel during one day. With the **Date guide** you can choose a specific date. The **Theme guide** displays a list of all programmes at the selected date, that matches with the selected category.
   Going through the menu guide, the TV is collecting the sorting criteria to finally display a list of programme events.
2. Press the **OK** key to select the guide type.
3. Move the puck down and to the right to select the programmes.
   If available a summary or commentary on the programme is displayed at the bottom of the screen.
4. Use the cursor up/down to scroll through the programmes.

Teletext Guide

1. Enter with the digit keys, the teletext page number that contains the programme information for the current channel.
2. Press the cursor right to move the puck over the selection ball.
3. Use the cursor up/down to scroll through the different programmes.



- If the selected programme contains a page number with an optional subcode referring to a page with more info about the programme, press the **OK** key to display the information. Press the **OK** key again to return to the programme guide page.
- If the selected programme guide page satisfies the VPT requirements,
  - it will be possible to record, remind, watch or lock programmes:
  - the TV will remember the last selected teletext page number of that channel that contains programme guide information and indicates which programme starts at what time. Every time you press the 📖 key, the teletext programme guide page of the selected TV channel will be available.
- When necessary you can select the subpage number by moving the cursor to the pageball and pressing right.

Note: You must enter the teletext pagenumber for each channel. You can change the channels also by moving the cursor up/down in the list in the left of the page.

Basic functions

Press one of the grey, red ●, green, yellow or blue keys to activate a NEXTVIEW or Teletext Guide function. The keys appear in grey if the function is not available.

Review: this menu provides a list of programmes that are marked as reminders, those that have to be recorded and those that are locked. This menu can be used to change or remove marked programmes.

Record: to programme the recording of the video recorder (if it has a NEXTVIEWLink function and is connected to **EXT. 2**).

Remind: automatically switch on the TV if it is in standby or by displaying a message if the TV is on.

Lock: to lock certain programmes to prevent recording or watching.

For the functions Record, Remind or Lock, a small menu pops up in which you can choose the interval: once, daily or weekly, or clear an earlier made record, remind or lock setting. The default interval is set to **Once**. To confirm the frequency, press the **OK** key.

Watch: to watch the selected and currently broadcast programme.

Acquisition and updating of NEXTVIEW information

Acquisition and updating of NEXTVIEW is done when you are watching the TV channel of the selected NEXTVIEW provider, see Setup menu, p. 8, or when the TV is switched to standby;

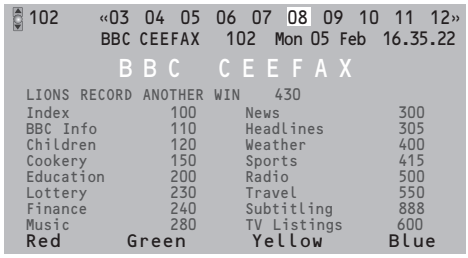
Acquisition of fresh data will happen once during the night.

Note: it may be necessary to put the TV in standby mode when all NEXTVIEW information is outdated, e.g. when returning from holiday.

Most TV channels broadcast information via teletext. This TV has a 1200 pages memory that will store most broadcasted pages and subpages to reduce waiting time. After each programme change, the memory is refreshed.

Switch Teletext on and off

Press ☰ to switch the teletext on.


102 «03 04 05 06 07 08 09 10 11 12»
BBC CEEFAX 102 Mon 05 Feb 16.35.22
BBC CEEFAX
LIONS RECORD ANOTHER WIN 430
Index 100 News 300
BBC Info 110 Headlines 305
Children 120 Weather 400
Cookery 150 Sports 415
Education 200 Radio 500
Lottery 230 Travel 550
Finance 240 Subtitling 888
Music 280 TV Listings 600
Red Green Yellow Blue

Select a Teletext page

- Enter the desired page number with the digit keys, the cursor keys up/down, left/right or with the **-P+** key.
- Select the options at the bottom of the screen with the colour keys.

Previously selected teletext page

(Only possible in case there is no list of favourite teletext pages available. See p. 18.)
Press the P↤P key.

Select the index teletext page

Press the grey colour key ▶▶ to display the main index (usually p.100).

Only for T.O.P teletext broadcasts :

Press i+. A T.O.P. overview of the teletext subjects available is displayed.
Select with the cursor up/down, left/right the desired subject and press the **OK** key.
Not all TV channels broadcast T.O.P. teletext.

Select subpages

When a selected teletext page consists of different subpages, a list of available subpages appears on the screen.
Press the cursor left or right to select the next or previous subpage.

Enlarge a Teletext page

Press ⊡ repeatedly to display the upper teletext part, the lower teletext part and then to return to the normal teletext page size.
When the teletext page is enlarged, you can scroll the text, line by line using the cursor up/down.

Active screen selection

When in dual screen picture/teletext, enter the desired page number with the **-P+** key, then press the **MENU** key, then select the left screen (with the blue ball at the top).
You can now select a compressed or full screen view of picture/teletext with the ⊡ key.

Hypertext

With hypertext you can quickly jump to a pagenumber or search for a specific word shown on the current teletext page.

1. Press the **OK** key to highlight the first word or a number on the page.
   Note: When in dual screen mode, press the cursor down to highlight the first word or page number.
2. Use the cursor up/down, left/right to select any other word or number you want to search for.
3. Press the **OK** key to confirm. The search starts. A message appears at the bottom of the screen to indicate the searching, or that the word or page is not found.
4. Use the cursor up to exit hypertext.

Teletext menu

(only available in full screen teletext mode)

1. Press the **MENU** key to activate the menu.
2. Press the cursor up/down to select the menu items.
3. Press the cursor right to activate.

Reveal

Reveals/conceals hidden information on a page, such as solutions to riddles and puzzles.
Press the cursor right to activate.

Favourite

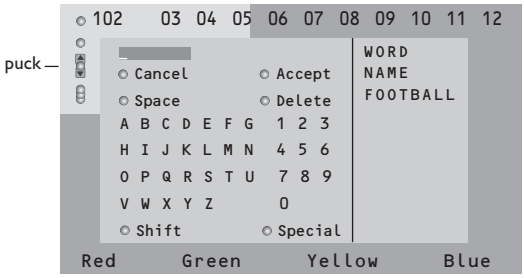
This list contains up to eight favourite teletext pages. Only the pages of the current channel can be selected.

1. Press the cursor right to enter the list.
2. Press the cursor right again to add the current page or to select one of the favourite pages to the list.
3. Press the **MENU** key to watch the page.
4. Use the P‹P key to browse through the list of favourite pages.

Search

Selecting a word

On the keyboard on screen you can type in a random word you want to search for in the teletext pages. Whether upper- or lowercase is used has no influence.



1. Press the cursor right to enter the keyboard.
2. Press the cursor left/right, up/down to select the characters, words or functions.
3. Press the **OK** key to confirm each character selected.
4. Select **Cancel** to cancel the word; **Space** to enter a space; **Delete** to delete the last character selected; **Shift** to switch between lowercase or capital characters; **Special** to display special characters on the keyboard and press the **OK** key.
5. Press the cursor left repeatedly to return to the Teletext menu again.

Searching a word

1. Type in the word on screen or select a word from the history list on the right and press **OK**.
2. Select **Accept** and press **OK** again. The message Searching appears.
3. To cancel the searching or to search for a new word, select **Keyboard** and press **OK**.
4. When a word is not found, a message appears. When the word is found, it is highlighted in the teletext page. To continue the search, press the **OK** key.

Cycle subpages *(if available)*

Makes the subpages cycle automatically.
Press the cursor right to activate and to de-activate again.

Timed page

To display a specific page from a selected TV channel at a certain time.

1. Press the cursor right and select **Yes** or **No**.
2. Enter the time and pagenumber with the cursor keys or the digit keys.
   Notes:
   - *Teletext does not have to remain switched on, but you should watch the TV channel you have selected the specific page from.*
   - *It is not possible to display a timed page when in VGA mode.*
3. Press the cursor left to return to the TV menu again.

Language

If the displayed characters on screen do not correspond with the characters used by the teletext broadcaster, you can change the language group here.
Select **Group 1** or **Group 2** with the cursor right.

Press the **MENU** key to leave the Teletext menu.

Connect Peripheral Equipment

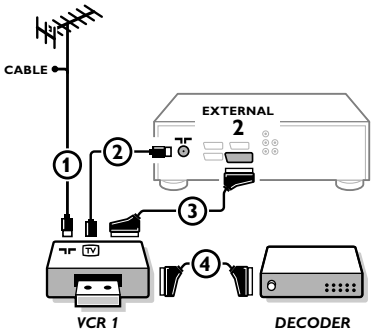
There is a wide range of audio and video equipment that can be connected to your receiver.
The following connection diagrams show you how to connect them.

Note: In case of the monitor in a stand alone situation without the receiver box connected, see the instructions with the monitor.
*Note: **EXT1** can handle CVBS and RGB, **EXT2** CVBS, Y/C and RGB, **EXT3** and **4** CVBS, **EXT5** Y-Pb-Br. It is preferred to connect peripherals with RGB output to **EXT1** or **EXT2** as RGB provides a better picture quality.*

*Note: If your recorder is provided with the EasyLink function, it should be connected to **EXT2** to benefit from the EasyLink functionality.*

Recorder (VCR-DVD+RW)

Note: Do not place your recorder too close to the screen as some recorders may be susceptible for signals out of the display. Keep a minimum distance of 0,5 m to the screen.

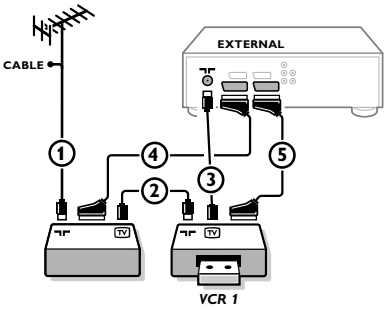


Connect the aerial cables ①, ② and, to obtain the optimum picture quality, eurocable ③ as shown.
If your recorder does not have a euroconnector, the only possible connection is via the aerial cable. You will therefore need to tune in your recorder's test signal and assign it programme number 0 or store the test signal under a programme number between 90 and 99, see Manual installation, p. 6.
See the handbook of your recorder.

Decoder and Recorder

Connect a eurocable ④ to your decoder and to the special euroconnector of your recorder. See also the recorder handbook. See Decoder, p. 10. You can also connect your decoder directly to **EXT1** or **2** with a eurocable.

Other equipment (satellite receiver, decoder, DVD, games, etc.)

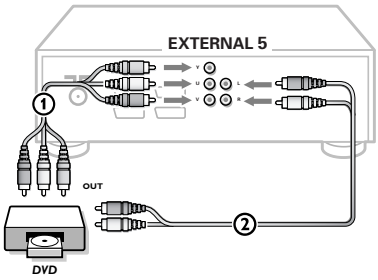


❶ Connect the aerial cables ①, ② and ③ as shown (only if your peripheral has TV aerial in-/output).
Connect your equipment with a eurocable ④ or ⑤ to one of the euroconnectors **EXT1**, **2**, **3** or **4** to obtain a better picture quality.

❷ Look for the test signal of your peripheral in the same way as you do for a recorder.

❸ Make a selection in the Setup, Source menu, p. 9.

DVD player

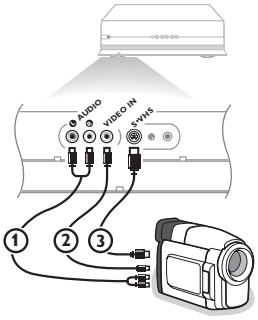


With Component Video Output Connectors (EXTERNAL 5)

❶ Connect the three separate component video cables to the DVD player's **Y**, **U** (Pb) and **V** (Pr) jacks and to the **Y**, **Pb** and **Pr** jacks on the receiver.

❷ Connect the audio cable to the DVD player's **AUDIO L** and **R** jacks and to the **L** and **R AUDIO EXTERNAL 5** jacks on the receiver.

Side connections



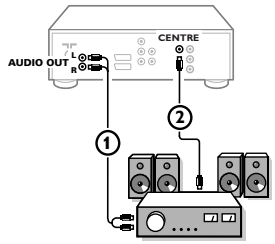
Camera or Camcorder

1. Connect your camera or camcorder as shown.
2. Connect to **VIDEO** (2) and **AUDIO L** (1) for mono equipment. For stereo equipment also connect **AUDIO R** (1). S-VHS quality with an S-VHS camcorder is obtained by connecting the S-VHS cables with the S-video input (3) and audio inputs (1).
   Do not connect cable (2) and (3) at the same time. This may cause picture distortion !

Headphone

1. Insert the plug into the headphone socket as shown.
2. Press on the remote control to switch off the internal loudspeakers of the TV.
   The headphone impedance must be between 8 and 4000 Ohm. The headphone socket has a 3.5 mm jack.
   In the Sound menu select **Headphone volume** to adjust the headphone volume.

Multi channel Surround receiver



1. Connect the audio cable to the multi channel Surround receiver and to **AUDIO OUT L** and **R** at the back of your TV receiver box (1).
2. If you want the loudspeakers of your monitor to act as centre speaker, also connect an audiocable to the multi channel Surround receiver and to the **SURROUND SOUND CENTRE IN** at the back of your TV receiver box (2).
3. Select **Centre Input On** in the Source menu. See p. 9.

   The loudspeakers of the monitor will now only produce centre sound, the loudspeakers connected to the audio receiver will produce Surround Sound. The volume has to be controlled via the multi channel Surround receiver.

   Note: No sound will be heard when a TV channel or external source is blocked via the Child lock menu (see p. 13).

Cinema Link surround receiver

See the separate supplied Cinema Link instruction manual.

Attention: the sound info on screen will not correspond with the actual sound reproduction.

Connect your computer

See the separate supplied instruction manual with your monitor.

To select connected equipment

Press the key on the remote control repeatedly to select **EXT1**, **EXT2**, **EXT3**, **EXT4**, **EXT5**, **FRONT** or **VGA** according to where you connected your equipment at the back or the front side of your receiver.

Remark : Most equipment (decoder, recorder) carries out the switching itself, when it is switched on.

VGA menu

Only available when a VGA source has been connected and activated. See also the separate supplied instruction manual with your monitor.

1. Select **VGA** with the ⊣⊡ key and press the **OK** key to confirm.
2. Press the **MENU** key to switch on the **VGA** menu.

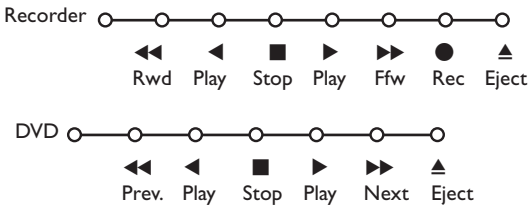
3. Select one of the menus with the cursor left/right.
4. Select one of the menu items with the cursor up/down.
   See the separate booklet supplied with the monitor.

Picture 1	Picture 2	Sound	Setup
Brightness	Format	(Volume)	Language
Contrast	Zoom	(Bass)	(Power savings)
Colour temperature	Zoom factor	(Treble)	(AV3)
Sharpness	Shift	(Sound mode)	(VGA2)
	Clock frequency		
	Phase		
	Auto align		

5. Press the cursor left/right to alter the selected adjustment.
6. Press the **MENU** key again to switch off the **VGA** menu.

Recorder or DVD with EasyLink

The recorder (VCR or DVD+RW) or DVD can be operated with the remote control via the **Recorder** or **DVD** menu on screen.



1. Press the **MENU** key on the remote control.
2. Select the **Recorder** or **DVD** menu with the cursor up/down.
3. Press the cursor left/right, up/down to select one of the recorder or DVD functions.

The key ● for recording can be operated in the TV mode.
If your EasyLink recorder has the system standby function, when you press the ⏻ key for 3 seconds, both TV and the recorder are switched to standby.

Audio- and video equipment keys

Most of the audio and video equipment from the Philips range of products can be operated with the remote control of your TV.

Press the **Select** key to operate any of the equipment indicated in the display. Another device can be selected by pressing Select repeatedly within 2 seconds. The led will blink slowly to indicate the device.
Press one of the keys on the remote control to operate the peripheral equipment.
To return to TV mode press **Select** while the led is blinking.
When no action is taken within 60 seconds, the remote goes back to TV mode.

Note: When the Select key is pressed and hold for more than 2 seconds, the RC5/RC6 system select command is transmitted.

- ⏻ to switch to standby
- ⏯ for pause (**VCR**, **DVD**, **CD**)
- ● for record
- ◀◀ for rewind (**VCR**, **CD**); search down (**DVD**, **AMP**)
- ■ for stop
- ▶ for play
- ▶▶ for fast forward (**VCR**, **CD**); search up (**DVD/AMP**)
- 🕮 to select your choice of subtitle language (**DVD**); RDS news/TA (**AMP**); to shuffle play (**CD**)
- ☰ to select a **DVD** title; RDS display (**AMP**); info on screen (**CD**)
- i+ display information

MENU to switch the menu on or off

- P + for chapter, channel, track selection

0 to 9 digit entry

P↤P tape index (**VCR**), select a DVD chapter, select a frequency (**AMP**)

⏲ VCR timer

surround on/off (**AMP**, **CD**)

cursor up/down
to select the next or the previous disc (**CD**)

cursor left/right
to select the previous or following track (**CD**)
search up/down (**AMP**)

Selecting submodes for DVD+RW, SAT, CDR

1. The remote control should be in TV mode.
2. Press the **OK** key together with

- digit 1: **DVD** mode is selected
- digit 2: **DVD+RW** mode is selected
- digit 3: **SAT (RC5)** mode is selected
- digit 4: **SAT (RC6)** mode is selected
- digit 5: **CD** mode is selected
- digit 6: **CD-R** mode is selected.

Record with your recorder with EasyLink

In TV mode, it is possible to start a direct recording of the programme which is being displayed on the TV screen.
Continue to press the ● record key on the remote control for more than 2 seconds.

Note:
Switching programme numbers on your TV does not disturb recording !
*When recording a programme from a peripheral connected to **EXT. 1**, **EXT. 3, EXT. 4, EXT. 5** or **FRONT**, you can not select another TV programme on the screen.*

Attention:
Recording from EXTERNAL 5 will only have black and white pictures !

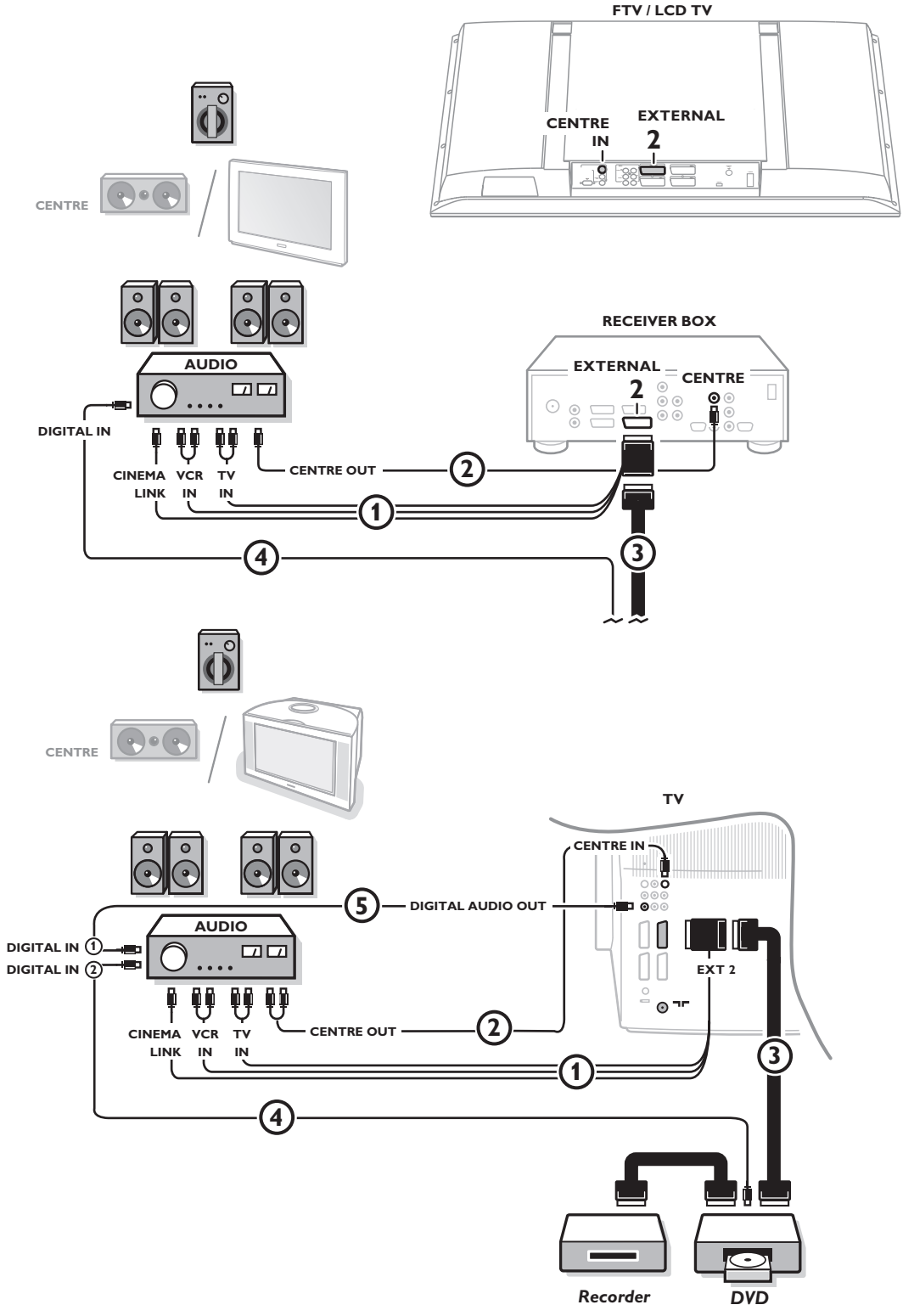
Tips

Poor Picture	• Have you selected the correct TV system in the manual installation menu? • Is your monitor or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc.? • Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial. • Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. See Installation, Manual installation, p. 6. • Are brightness, sharpness and contrast out of adjustment? Select Factory settings in the Setup, General menu, p. 8.
No Picture	• Are the supplied cables connected properly ? (The aerial cable to the receiver box, the other aerial to your recorder, the VGA cables to the display, the power cables.) • Has the child lock been switched off ? • Is your PC switched on ? • Do you see a black screen and the indicator in front of the monitor lights up green, this means that the display mode is not supported. Switch your VGA-source to a correct mode. • In case of weak or bad signal, consult your dealer.
Digital distortion	The low quality of some digital picture material may be the cause of digital image distortion. In this case select the Soft setting using the Picture menu, Smart Picture, without changing the picture settings manually.
No sound	• No sound on any channel? Check the volume isn't at minimum. • Is the sound interrupted with the mute key 🔇 ?
No Surround sound	• Check if the headphone is not plugged in. • Perhaps the channel is not broadcasting good quality surround sound. • No sound from the rear speakers or the centre speakers? Select an appropriate surround mode, according to the broadcasted sound signal or adjust the volume. See Surround Modes, p. 12.
No solution found for your picture or sound problem ?	Switch your TV off and then on again once. Never attempt to repair a defective TV yourself. Check with your dealer or call a TV technician.
Menu	Have you selected the wrong menu? Press the **MENU** key again to exit from the menu.
NEXTVIEW	**Orange indicator on front of the TV during standby / No NEXTVIEW info:** See Acquisition and updating of NEXTVIEW information, p. 16. **Displayed time is wrong:** The broadcaster on programme number one does not transmit the correct local date and time. Use Reshuffle in the installation menu to place another broadcaster on programme number one.
Remote control	• Check if the remote control is in the correct mode. • If your TV no longer responds to the remote control, the batteries may be dead. • You can still use the **MENU** key and the -/+ keys in front of the receiver

Standby	Your TV consumes energy in the standby mode. Energy consumption contributes to air and water pollution.
No stable or not synchronised VGA picture	Check if you have selected the correct VGA mode in your PC. See the separate instruction manual with the monitor.
TV receiver box with speakerless monitor	In case you connect your TV receiver box with a speakerless monitor, and without having connected an audio receiver, all references made in this instruction book to sound reproduction, volume control, and audio connections, are not applicable (except for a headphone connection). The keys on the remote control referring to sound have no function either.
Miscellaneous	. Ambient temperature: + 5~ + 40°C . Mains: 50/60 Hz Auto Voltage ranging from 95 V to 264 V . Power consumption: around 300 W . Standby consumption: 2 W . Weight (excl. packaging): 4 kg . Dimensions (wxhxd): Receiver: 43.5 x 10.5 x 33 cm

Cinemalink

PHILIPS


FTV / LCD TV
CENTRE IN
EXTERNAL 2
CENTRE
RECEIVER BOX
EXTERNAL 2
CENTRE
AUDIO
DIGITAL IN
CINEMA LINK
VCR IN
TV IN
CENTRE OUT
1
2
3
4
CENTRE
TV
CENTRE IN
5
DIGITAL AUDIO OUT
AUDIO
DIGITAL IN 1
DIGITAL IN 2
EXT 2
CINEMA LINK
VCR IN
TV IN
CENTRE OUT
Recorder
DVD

Note: The Cinema Link functionality is only available with devices of the Cinema Link (P50.3) generation !

Cinema Link is a new Philips feature in which the TV, the audio receiver and other video peripherals communicate with each other (on condition they all are equipped with the Cinema Link functionality and are connected via a eurocable). They automatically offer the highest quality combination of picture and multi channel surround sound to create your own Home Cinema.

With one key on the remote control, with which you can control all Cinema Link products, your total Cinema Link system will be started and the DVD or video recorder will start to play and the audio receiver will provide the sound (on the condition Cinema link is enabled) on behalf of the TV.
The TV or monitor can function as the centre speaker of your system, making a separate centre speaker unnecessary (only in case your TV or receiver box is equipped with a Centre IN connector).
By pressing the standby key ⏻ on the remote control for at least 3 seconds, the complete Cinema Link system will be switched to standby.

Recommended:

Do not use the AC outlet at the back of the audio receiver to power the DVD or the video recorder in a Home Cinema configuration.

Configuration of the Cinema Link peripherals

The connection diagram in the inside cover shows you how to connect the Cinema Link peripherals with each other.

Notes:

- *Besides the TV or receiver box at least one peripheral should be provided with the Cinema Link functionality to benefit from this feature.*
- *To take advantage of the highest quality of multi channel Surround sound it is advisable that you have a Cinema Link audio receiver connected.*
- *The peripherals connected don't need to see the TV remote control in the Cinema Link system. The commands given to the TV are automatically passed to the other peripherals. This allows you to put the peripherals behind the doors of a cabinet or to place them in another room.*
- *To enjoy Digital Surround playback, the digital device (e.g. DVD) should be connected to the digital input of the audio receiver with a separate cinch audio cable ④. In case your TV is provided with a DIGITAL AUDIO OUT connector, also connect it to one of the digital input connectors of your audio receiver ⑤. If you connect the digital audio output connector of your TV and/or peripheral equipment to a digital input connector of your audio receiver ④ and ⑤ (if present), select the appropriate digital input (1 or 2) in your audio receiver.*
- *The optional wireless speakers of the TV cannot be used.*

Preparation and Operation

1. Cinema Link is switched on as soon as the audio receiver and the TV are switched on. If necessary, Cinema Link may be switched off or on again only on the audio receiver. See the instructions for use of your audio receiver.
   Important: When Cinema Link is switched on all audio commands control the audio receiver instead of the TV.
2. The message **CINEMALINK ON** is displayed on the audio receiver and on the TV. Now the CinemaLink system is activated.
   Note: it is recommended to disable CinemaLink when the receiver is used to record a CD e.g. or when using a headphone when others are watching TV.

   Now you can adjust the initial TV settings for optimal surround sound and install the audio channels before starting up one of the CinemaLink devices. The system information about country choice, menu language and picture format you set up during the installation of the TV is transferred to the audio receiver automatically.

   TV as centre speaker (only in case your TV or receiver box is equipped with a Centre IN connector)

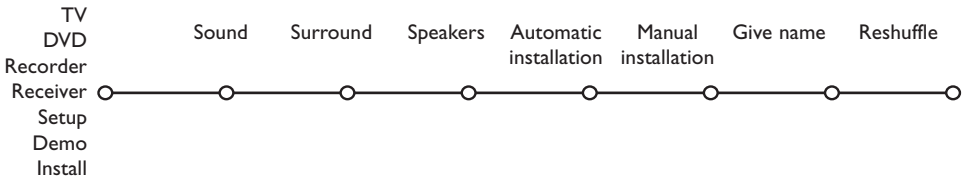
   See the Instructions for Use of the TV or receiver box, Setup, Source menu, Centre input.
   Use the test tone function in the Speakers menu to have a reference of the loudness of the separate speakers.
   Note: If you want the loudspeakers of your TV or monitor to act as centre speaker, also connect a cinch audio cable (not supplied) ② to the CENTRE IN connector of your TV or receiver box.

Activating CinemaLink

Continue to press the -key on the remote control for more than 4 seconds.

1. The TV or receiver box sends a play command to the Cinema Link DVD player, if present.
2. The DVD player will start playing and the audio receiver automatically switches to the best Cinema Link sound.
3. If no DVD player is connected or if the DVD player has no disc loaded, the command can not be executed.
4. The TV or receiver box will then send a play command to the Cinema Link video recorder, if present.
5. The video recorder will start playing and the audio receiver selects the best Cinema Link sound.
6. If no video recorder source is connected or tape is loaded, the TV or receiver box will select the last watched TV channel.

Receiver menu



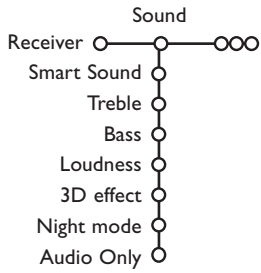
Note: When Cinema Link is enabled, certain items of the Sound menu (see TV menu) are steered by the audio receiver instead of by the TV or receiver box.

1. Press the **MENU** key on the remote control.
2. Press the cursor down to select **Receiver**.
3. Press the cursor right to enter the Receiver menu items.
4. Press the cursor up/down to select the submenu items.

Note: the audio receiver submenu items may only be selected if provided by the audio receiver (dependent on the configuration setup and the sound signals transmitted).

Sound menu

Dependent on the audio receiver speakers configuration, you may not be able to select certain menu items.



Smart Sound, Treble, Bass

See the Instructions for Use for the TV or receiver box.

Loudness

When **Loudness On** is selected and when listening at low volume, the low and high frequencies are amplified so that the natural balance is restored.

3D effect

3D effect enables you to experience the effect of Dolby Surround Pro Logic without the need of having rear speakers connected or activated.
Select the level of 3D effect with the cursor left/right.

Night mode *(only functional with Dolby Digital sound broadcasting input)*

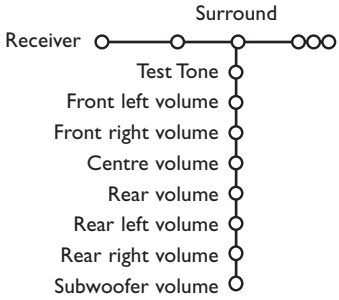
The loud parts of the sound are lowered and the soft passages are raised.
You can enjoy surround sound without disturbing sleeping children or neighbours.

Audio only

This control enables you to blank the TV picture if the TV or monitor is used as centre speaker in the Cinema Link system and if the audio receiver is reproducing sound unrelated to a TV picture.
Switch **Audio only On** to only hear the sound and to switch off the picture.
The message **Audio only** appears on screen.

Surround menu

Dependent on the audio receiver speakers configuration, you may not be able to select certain menu items.



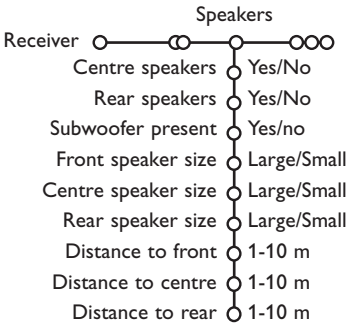
Adjustment of the volume level of the loudspeakers

Note: the test tone function is automatically cancelled by the audio receiver when leaving the Surround menu.

1. Select **Test Tone On**.
   A steady noise tone is switched sequentially through the available loudspeakers, except for the subwoofer, for 2 seconds each. This enables you to have a reference of the loudness of each loudspeaker and to adjust the level of each until they all sound equally loud.
   The loudspeakers activated light up in the screen graphic.
2. Select the Surround menu items with the cursor up/down one after another and alter the selected adjustments with the cursor left/right.
   The best result is achieved when all speakers have equal volume in your usual listening position.
3. Select **Test tone Off** when you have finished the adjustment of the speaker levels.

Speakers menu

Dependent on the audio receiver speakers configuration, you may not be able to select certain menu items.
Once the number and position of the loudspeakers has been fixed, selecting Centre speaker, Rear Speakers and Subwoofer Yes or No, you can adjust the initial receiver settings, size and distance, for optimal surround sound.
Note: after changing the configuration, the menu will disappear temporarily and re-appear again after the new settings will be updated.



Size of the speakers

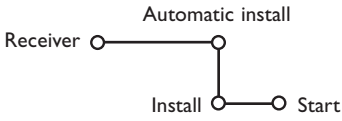
Select **Small** if your speaker is able to reproduce low notes down to at least 80-100 Hz. Select **Large** if your speaker is able to reproduce low notes down to at least 50 Hz.
Note:

- *As a rule of thumb, a large speaker has a cone diameter of at least 12 cms (5 inches). See the specification sheet of your loudspeakers.*
- *If Subwoofer present is set to No, Front speaker size can only be set to Large. If Front speaker size is set to Small, Centre speaker size can only be set to Small and consequently a subwoofer must be connected.*

Distance to the speakers

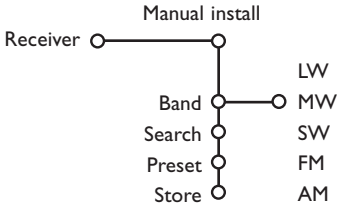
Select the distance from your usual listening position to the available speakers each; front, centre and rear speakers.
This defines the delay time for the surround sound.

Automatic installation



In the Automatic installation menu select **Start** to activate the automatic searching of all radio stations which can be received.
The programme list is automatically filled with all the numbers and names of the radio stations transmitted.

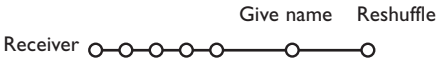
Manual installation



You can also search for a known radio station by keying in the frequency.

1. First select **Band** to switch to the desired waveband: **LW**, **MW**, **SW**, **FM** or **AM**.
2. Select **Search** and press the cursor right.
   The frequency increases until a radio station is found.
   If you know the 3-digit frequency, enter it directly with the digit keys 0 to 9.
   Select **Preset** to enter the preset number using a three digit entry with the digit keys.
3. To store your radio station, select **Store** and press the **OK** key.
4. Repeat steps 1 to 3 to store another radio station.

Give name - Reshuffle



To assign or change a name to a radio station or to change the order of the stored radio stations according to your preference, act in the same way as with giving a name or reshuffling the programme list of TV channels.
See the Instructions for Use of the TV or receiver box.